

# CERTIFICATE OF ANALYSIS

Product Description      INDOLE-3-BUTYRIC ACID  
IBA; 4-[3-INDOLYL] BUTYRIC ACID  
Product Number        I538  
Lot Number              HGT0538048  
Storage Temperature    2-8°C  
Molecular Weight       203.24  
Formula                  C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub>  
CAS Number              133-32-4

## **Physiochemical Specifications:**

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in 1N KOH @ 1 mg/mL	Passes
Physical Appearance Color*	2156-60 to 2162-60, 2156-70 to 2162-70, PM-1 to PM-4	PM-1 White
Texture	Fine to Crystalline Powder	Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Insolubles	None	Passes
FTIR	Conform to Structure	Passes
Purity	Minimum 98%	99.00%

\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

## **Biological Testing:**

Test Concentration: 2.0 mg/L


TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates shoot growth and/or rooting/callus formation in two or more plant tissue culture lines with no morphological aberrations to plants	Perilla Fantasy	Passes
	Xanthi Tobacco Callus	Passes

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Date of Release: 29-September-2025

Recommended Shelf-Life Date: September 2030

Prepared by:   
Alex Lambert  
Lead Quality Control Laboratory Technician